

# String Beads

This is a hands-on problem. In an actual tournament you would have one minute to select the five team members who would compete.

This is a two-part problem. **In part 1, you will have 5 minutes to develop your solution and practice. In part 2, you will be given 3 minutes to test your solution for score.** You may ask the judge questions at any time; however, time will continue.

**Your Problem Is: In part 1, you must devise a non-verbal communication system using the materials provided. In part 2, your team will split up into two groups: the Signalers and the Stringers. The Stringers will be given string and beads, and the Signalers will then be given an official chart that shows the positions of the beads on the string. The Signalers will then use the communication system to direct the Stringers in placing the beads on the string in the correct order, as shown on the official chart. The team will be given a practice chart for use during part 1.**

**You will be scored as follows:**

**Each bead in the correct spot on the string: 5 points**

**Each bead in an incorrect spot on the string: minus 1 point**

**How well your team works together: 1-15 points**

*Repeat items in **bold**. Begin by saying 'I repeat:'*

*Part 1: 5 minutes*

*Part 2: 3 minutes*

**FOR JUDGES ONLY:**

*NOTE: one of the interesting things about this problem is watching how the team handles the unexpected addition of the second string during part 2. You may want to save this one until your team has prior experience with signal problems such as Street Map.*

Set up two tables facing each other, about ten feet apart. With colored pencils or markers, color in the beads on the practice and solution sheets so that they correspond with whatever beads you have.

For the beads and string, compile an assortment of different colored beads. If the beads fit, it is better to use three pipe cleaners for the strings. Otherwise, any three strings will do fine.

For the signaling materials, the following list may be helpful:

12" piece of string

Whistle

Golf ball

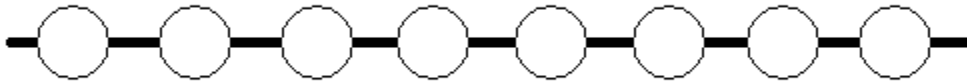
Small empty jar with lid

5 small rocks

3 different colored notecards



## Practice Sheet



## Official Sheet

